

5

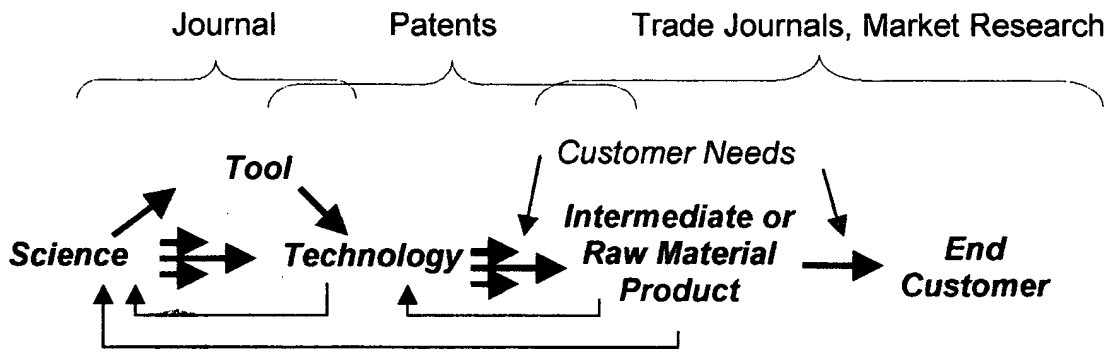


Fig. 1

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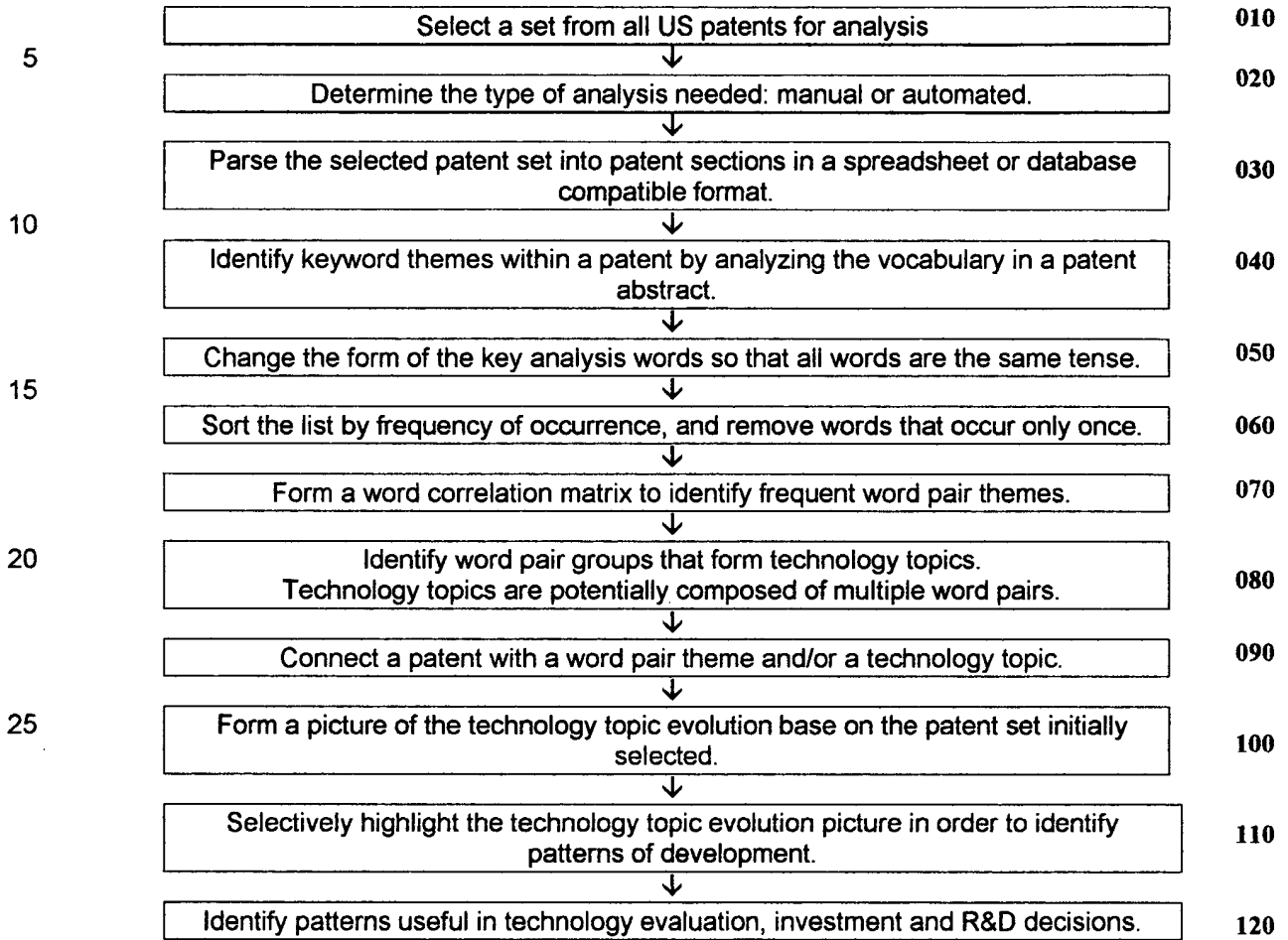


Fig. 2

Abstract Word Correlation Matrix

	laundry	detergent	odor*	granul*	agricultur*	pesticid*	herbic*	insect*
laundry	0	69	7	63	0	0	0	0
detergent	69	0	11	83	1	0	0	0
odor*	7	11	0	2	0	0	4	3
granul*	63	83	2	0	8	3	11	1
agricultur*	0	1	0	8	0	0	8	0
pesticid*	0	0	0	3	0	0	0	1
herbic*	0	0	4	11	8	0	0	2
insect*	0	0	3	1	0	1	2	0

Fig. 3a

Expert opinion

**Laundry
Technology
Topic**

**Agriculture
Technology
Topic**

Fig. 3b

Word
correlation
analysis result

Second
Technology
Topics

acid
all
bleach
compositions
containing
detergent
dry
free
granular
laundry
product
silicate
surfactant
water

carbonate
compositions
detergent
dry
fabric
granular
laundry
process
water

agents
growth
herbicide
liquid
particles
plant
water

amine
formulation
formulations
glyphosate
granules
growth
herbicide
oxide
plant
powder
powders
regulant
salts
water

Technology Evolution

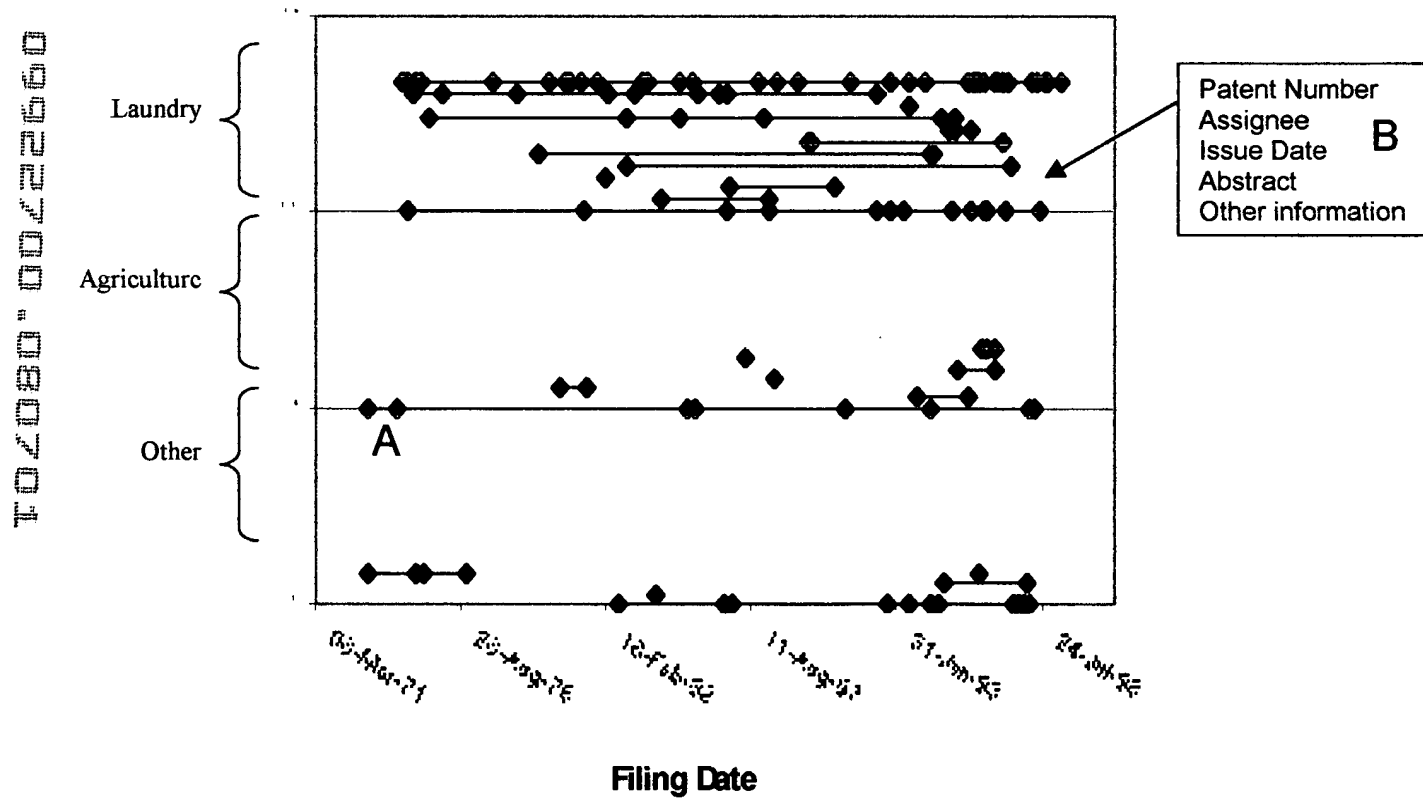


Fig. 4

Technology Evolution

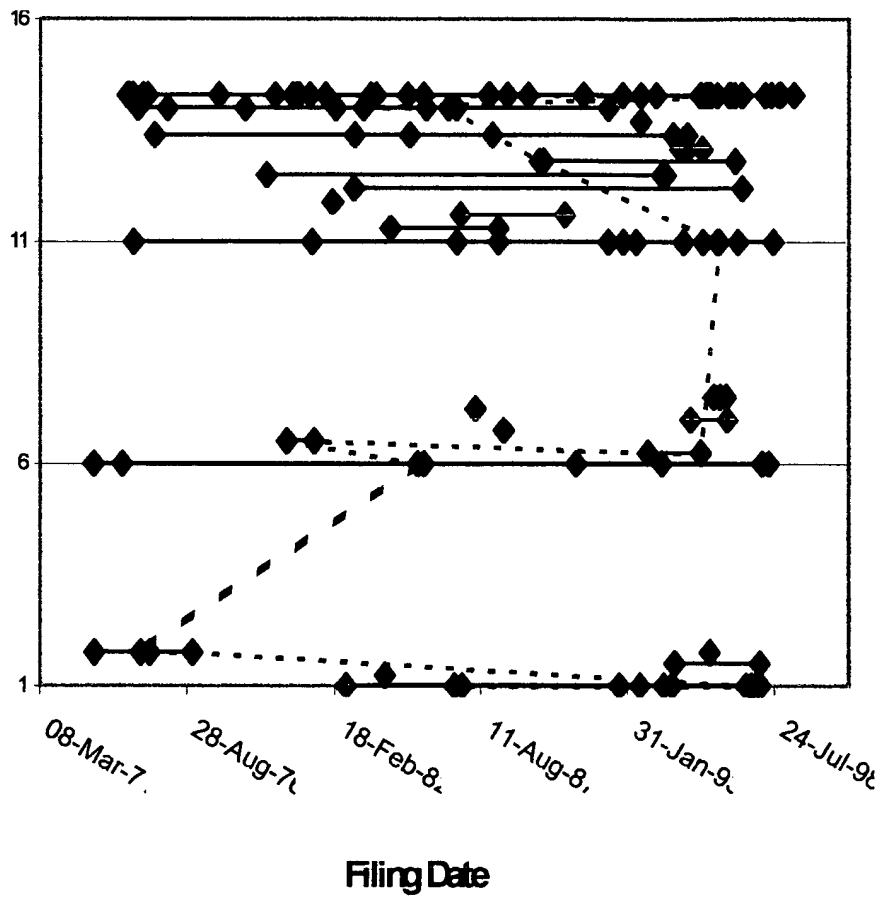


Fig. 5

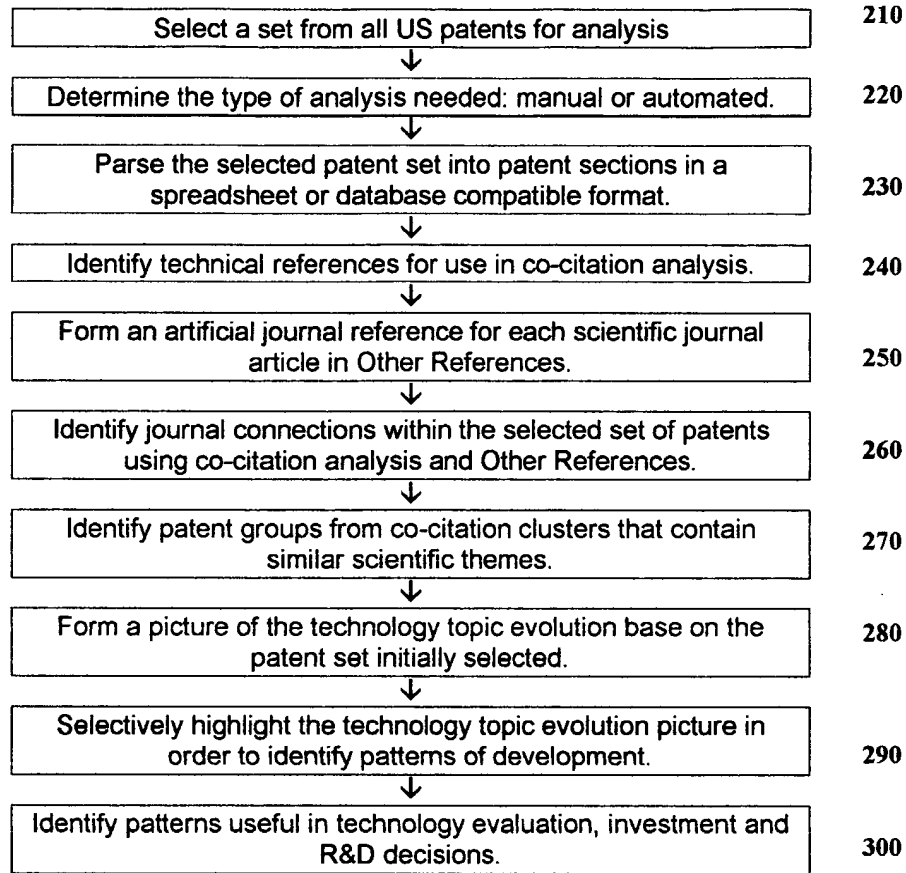


Fig. 6

Patenting Statistics: An Indicator of Technology Status

7a

Pattern	Biotechnology	Laundry Detergent	Cosmetics/Perfume	Wells, Drilling
Abstract	13	0	6	1
Book	74	10	10	8
Brochure	7	17	12	2
Government	2	0	1	0
Journal	650	9	80	23
Newspaper	60	0	0	0
Other	4	17	0	0
Patent	1	9	1	3
TOTAL	811	62	110	37
Number of Patents	13	10	11	11
Journal Refs/Patent	62.4	6.2	10	3.4

7b

Categorization & Identification Accuracy		
Run 2	Category	Ref.
OK	99.12%	98.25%

Fig. 7

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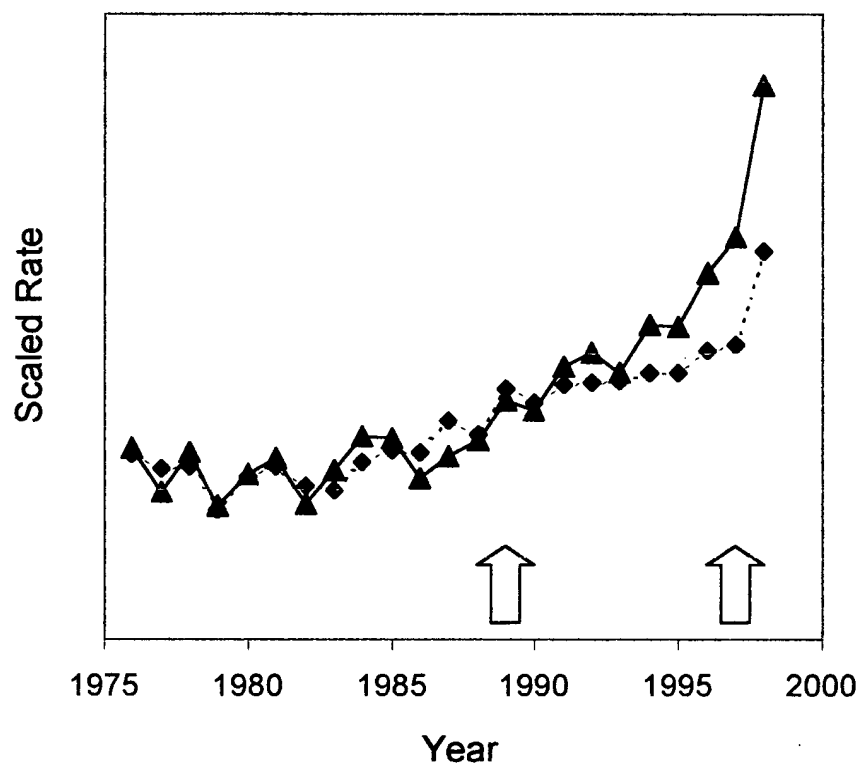


Fig. 9

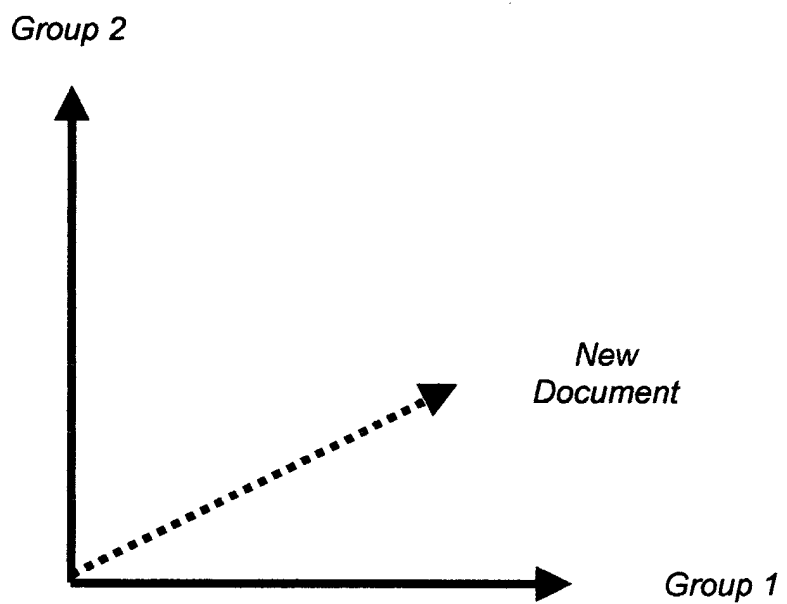


Fig. 10

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